



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141835

Mode: Highway

Status: Submitted

US-301

From/Cross Street: NC 561

Specific Improvement Type: 1 - Widen Existing Roadway

To: White Hill Road

Project Category: Regional Impact

Length: 4.39

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$13,108,000

Description:

Currently a 2-lane major thoroughfare running through Halifax, which serves as the county seat, higher levels morning and afternoon traffic are experienced due to workers moving through the area. It is recommended to widen to 24 feet w/ paved shoulders and turn lanes at all major intersections from NC 561 to White Hill Road.

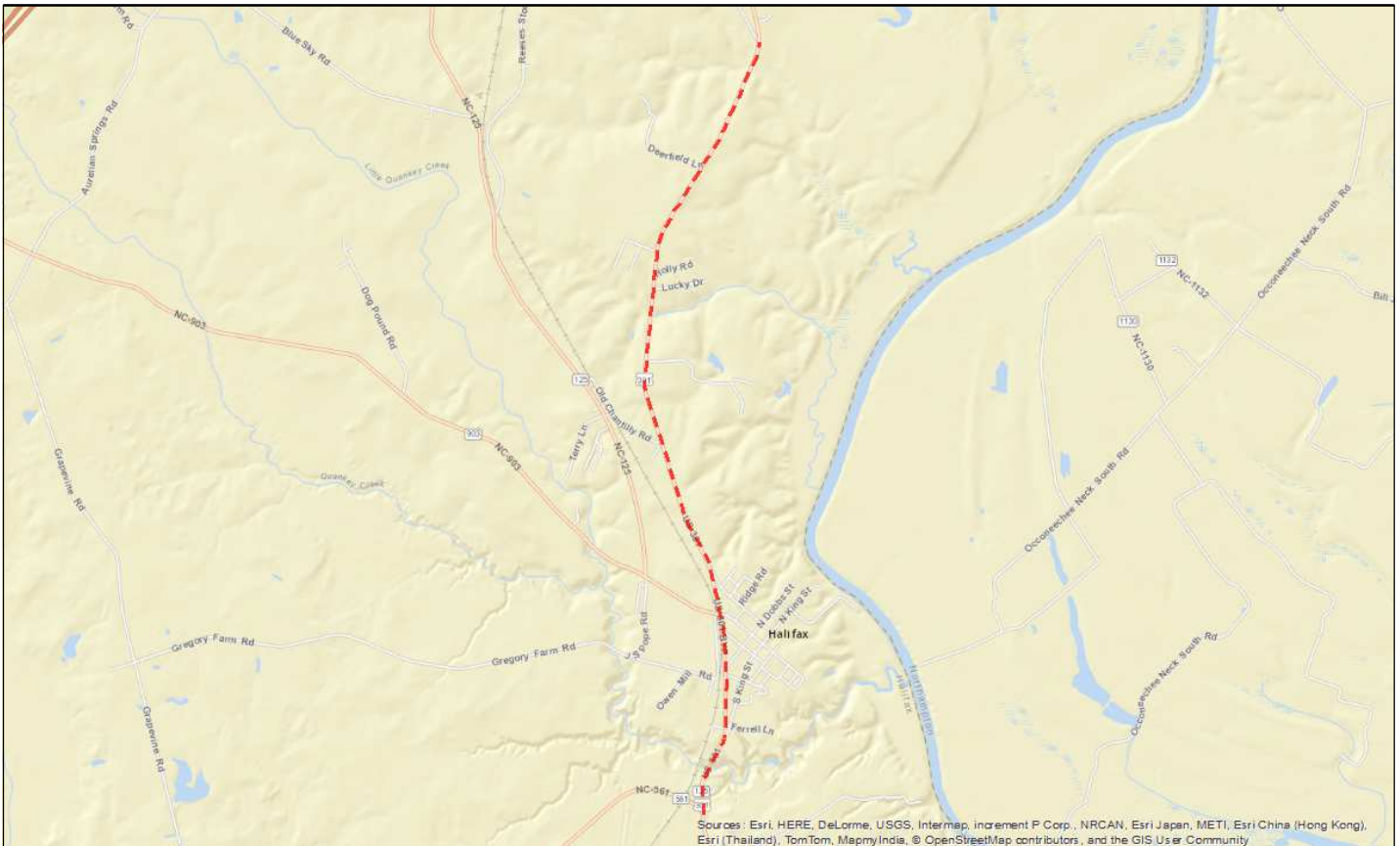
This is recommended as mobility improvement through Halifax with improved connectivity through county.

Division(s): Division 4

County(s): HALIFAX

MPOS(s)/RPO(s): Peanut Belt RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 22.5

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 14.44 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (20%) 0.32 Safety (15%) 35.16	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 7.5		

Division Needs Total Score: 4.99

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (10%) 0.32 Congestion (V/C) (10%) 14.44 Safety (10%) 35.16 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 4.99		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	4.39
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3399.92
Capacity:	15596.36
Volume/Capacity Ratio:	0.22
% Autos:	92%
% Trucks:	8%
Truck Volume:	262.18
Crash Density:	43.28
Crash Severity:	22.72
Critical Crash Rate:	39.5
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	61
Actual Congested Speed:	47.09
Travel Time Index:	1.17

Project Benefits

Project Cross-Section:	3A - 2 Lane with Two Way Left Turn Lane, and Paved Shoulders
Speed Limit:	55
Length (miles):	4.39
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	167795.53
Travel Time Savings for 30 Years (Autos):	154856
Travel Time Savings for 30 Years (Trucks):	12939.53
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Halifax County Comprehensive Transportation Plan
CTP/LRTP Completion Year:	2012
Submitted by:	Peanut Belt RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 4	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Peanut Belt RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$12,360,000	Cost Estimation Tool
Right-of-Way Cost:	\$668,000	Cost Estimation Tool
Utilities Cost:	\$80,000	Cost Estimation Tool
Total Project Cost:	\$13,108,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$13,108,000	